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CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,
and
NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.

AS OF
FEB. 1, 1962

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Cooperative Snow Survey and Water Supply Forecast Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
COLORADO AND STATE OF UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER AND OTHER AGENCIES
COLUMBIA	MONTHLY (JAN.-MAY)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
UPPER MISSOURI AND STATE OF MONTANA	MONTHLY (FEB.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
WEST-WIDE	OCT. 1, APR. 1, MAY 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN. 15 - APR. 1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. AGR. EXP. STATION COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (FEB.-MAY)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	ORE. AGR. EXP. STATION OREGON STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

Copies of these various reports may be secured from:

Head, Water Supply Forecasting Section
Soil Conservation Service
P.O. Box 4170, Portland 8, Oregon

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	COMPTROLLER, WATER RIGHTS BR., DEPT. OF LANDS AND FORESTS, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
NEVADA

Report prepared by

MANES BARTON

and

ROY E. MALSOR, JR.

SOIL CONSERVATION SERVICE
1479 WELLS AVENUE.....RENO, NEVADA

FEBRUARY 8, 1962

Issued by

CHARLES W. CLEARY, JR.

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
RENO, NEVADA

HUGH A. SHAMBERGER

DIRECTOR
DEPARTMENT OF CONSERVATION AND
NATURAL RESOURCES
CARSON CITY, NEVADA

INDEX TO NEVADA SNOW COURSES (By Basins)

NUMBER NAME SEC. TWP. RGE. ELEV.

SNAKE RIVER BASIN

SNAKE RIVER				
15H1M	8EAR CREEK	31	46N	58E 7800
15G4M*	8IG 8END	30	45N	56E 6700
15H2	FOX CREEK	33	46N	58E 6800
15H13	GOAT CREEK	31	46N	60E 8800
15H5*	GOLD CREEK	31	45N	56E 6600
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E 8945
14H1	JAKES CREEK	6	42N	62E 7000
15H14	POLE CREEK RANGER STATION	13	46N	59E 8330
15H18a	REO POINT	15	47N	61E 7940
15H3A	76 CREEK	6	44N	58E 7100

OWYHEE RIVER				
15H4M	8IG 8END	30	45N	56E 6700
17H2*	BUCKSKIN, LOWER	25	45N	39E 6700
17H1*	BUCKSKIN, UPPER	11	45N	39E 7200
15H7*	FRY CANYON	31	43N	54E 6700
15H5	GOLD CREEK	31	45N	56E 6600
17H4M	GRANITE PEAK	22	44N	39E 7800
16H2	JACK CREEK, LOWER	18	42N	53E 6800
16H4	JACK CREEK, UPPER	9	42N	53E 7250
16H4*	JACKS PEAK	28	42N	53E 8420
16H5	LAUREL ORAW	20	45N	53E 6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E 6440
17H3*	MARTIN CREEK	18	44N	40E 6700
15H6M*	RODEO FLAT	36	43N	53E 6800
15H9M	TAYLOR CANYON	35	39N	53E 6200
15H8*	TREMewan RANCH	9	39N	55E 5700

INTERIOR

UPPER HUM80LOT RIVER				
15H1M*	8EAR CREEK	31	46N	58E 7800
15H4M*	8IG 8END	30	45N	56E 6700
15J12	CORRAL CANYON	27	28N	57E 8500
15J1	ODRSEY BASIN	28	35N	60E 8100
15J3	ORY CREEK	5	34N	60E 6500
15H2*	FOX CREEK	33	46N	58E 6800
15H7	FRY CANYON	31	43N	54E 6700
15H5*	GOLD CREEK	31	45N	56E 6600
15J9	GREEN MOUNTAIN	23	29N	57E 8000
15J10	HARRISON PASS #1	9	28N	57E 6600
15J11	HARRISON PASS #2	16	28N	57E 7400
16H1M*	JACK CREEK, LOWER	18	42N	53E 6800
16H2*	JACK CREEK, UPPER	9	42N	53E 7250
16H4*	JACKS PEAK	28	42N	53E 8420
15J4	LA MOILLE #1	15	32N	58E 7100
15J5	LA MOILLE #2	14	32N	58E 7300
15J6	LA MOILLE #3	24	32N	58E 7700
15J7	LA MOILLE #4	19	32N	59E 8000
15J8	LA MOILLE #5	31	32N	59E 8700
15H6M	RODEO FLAT	36	43N	53E 6800
15J2	RYAN RANCH	1	34N	59E 5800
15H3A*	76 CREEK	6	44N	58E 7100
15H9M*	TAYLOR CANYON	35	39N	53E 6200
15H8	TREMewan RANCH	9	39N	55E 5700
15H10	TROUT CREEK, LOWER	28	37N	61E 6900
15H11	TROUT CREEK, UPPER	4	36N	61E 8500

LOWER HUM80LDT RIVER				
17K1	8IG CREEK CAMP GROUND	10	17N	43E 6600
17K2	8IG CREEK MINE	23	17N	43E 7600
17K3	8IG CREEK, UPPER	26	17N	43E 8000
17H2	BUCKSKIN, LOWER	25	45N	39E 6700
17H1	BUCKSKIN, UPPER	11	45N	39E 7200
17J2	GOLCONDA #2	22	35N	39E 6000
17H4	GRANITE PEAK	22	44N	39E 7800
17H5	LAMANCE CREEK	13	42N	38E 6000
17L1	LOWER CORRAL	12	11N	40E 7500
17H3	MARTIN CREEK	18	44N	40E 6700
16H3	MIDAS	18	39N	46E 7200
17L2	UPPER CORRAL	20	11N	41E 8500

EASTERN NEVADA				
14L1	BAKER #1	29	13N	69E 7950
14L2	BAKER #2	30	13N	69E 8950
14L3	BAKER #3	25	13N	68E 9250
14K2	BERRY CREEK	26	17N	65E 9100
14K1	8IRO CREEK	34	19N	65E 7500
15J13	CAVE CREEK	25	27N	57E 7500
15J14	HAGER CANYON	34	27N	57E 8000
15J15	HOLE-IN-MTN.	6	35N	61E 7900
14K8	KALAMAZOO CREEK	34	20N	65E 7400
14K3	MURRAY SUMMIT	25	16N	62E 7250
15K1	ROBINSON SUMMIT	34	18N	61E 7600
14K7	SILVER CREEK #2	30	16N	69E 8000
14K5	WARO MOUNTAIN #2	25	15N	62E 7875
15L1*	WHITE RIVER #1	31	13N	59E 7400

CENTRAL GREAT BASIN				
18M2	CAMPITO MTN	19	5S	35E 10200
15N2	CLARK CANYON	8	19S	56E 9000
18G6a*	ONIO CREEK (OREG.)	14	41S	34E 6000
18M1	MONTGOMERY PASS	4	1N	33E 7100
15N1	TROUGH SPRINGS	23	18S	55E 8500

NUMBER NAME SEC. TWP. RGE. ELEV.

NORTHERN GREAT BASIN

19H1	8ALO MOUNTAIN	17	45N	21E 6720
20H5	BARBER CREEK	23	39N	16E 6500
20H6	CEGAR PASS	12	43N	14E 7100
18H1	OISASTER PEAK	8	47N	34E 6500
20H3a	OISMAL SWAMP (CAL.)	31	48N	22E 7000
20H7	EAGLE PEAK	35	40N	15E 8300
19H3	49-MTN	7	42N	19E 6000
19H2	HAYS CANYON	1	39N	18E 6400
18H2	LEONARD CREEK	13	42N	28E 5900
19H4a	LITTLE BALLY MTN	8	45N	19E 6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E 7240
17H6a	QUINN RIDGE	9	47N	41E 6300
20H4	RESERVATION CREEK	12	46N	15E 5900
18G5a*	TROUT CREEK (OREG.)	10	41S	38E 7800

LAKE TAHOE

19L14	OAGGETTS PASS	19	13N	19E 7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E 7500
19L2	FREL 8ENCH (CAL.)	36	12N	18E 7300
19K6	GLENBROOK #2	13	14N	18E 6900
19L3	HAGANS MEADOW (CAL.)	36	12N	18E 8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E 8400
19K4	MARLETTE LAKE	13	15N	18E 8000
19K2*	MT. ROSE	7	17N	19E 9000
20L3	RICHARDSONS #2 (CAL.)	6	12N	18E 6500
20L1	RUBICON #1 (CAL.)	6	13N	17E 8100
20L2	RUBICON #2 (CAL.)	6	13N	17E 7500
20K16	TAHOE CITY (CAL.)	6	15N	17E 6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E 6400
20K17	WARD CREEK (CAL.)	21	15N	16E 7000

TRUCKEE RIVER

20K14	8OCA #2 (CAL.)	28	18N	17E 5900
20K11	ONNER LAKE #1 (CAL.)	14	17N	15E 5950
20K21	ONNER PARK #2 (CAL.)	3	16N	16E 6000
20K10*	ONNER SUMMIT (CAL.)	25	17N	14E 6900
20K7*	FORDYCE LAKE (CAL.)	34	18N	13E 6500
20K8*	FURNACE FLAT (CAL.)	10	17N	13E 6600
20K4	INDEPENDENCE CAMP (CAL.)	34	19N	15E 7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E 6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E 8450
19K3	LITTLE VALLEY	17	16N	19E 6300
19K2	MT. ROSE	7	17N	19E 9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E 6500
20K19	SUBAW VALLEY #2 (CAL.)	6	15N	16E 7500
20K16*	TAHOE CITY (CAL.)	6	15N	17E 6250
20K13	TRUCKEE #2 (CAL.)	22	17N	16E 6400
20K17*	WARD CREEK (CAL.)	21	15N	16E 7000
20K2	WEBBER LAKE (CAL.)	20	19N	14E 7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E 8000

CARSON RIVER

19L5	BLUE LAKES (CAL.)	30	9N	19E 8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E 8600
19K5	CLEAR CREEK	6	14N	19E 7300
19L6A	POISON FLAT (CAL.)	25	8N	21E 7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E 8050

WALKER RIVER

19L11	8UCKEYE FORKS (CAL.)	20	4N	23E 8500
19L10	8UCKEYE ROUGHS (CAL.)	15	4N	23E 7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E 9400
18L1	LAPON MEADOW	36	8N	28E 9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E 7200
18L2	MT. GRANT	23	8N	28E 9000
19L7	SONORA PASS (CAL.)	1	5N	21E 8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E 9900
19L13	VIRGINA LAKES (CAL.)	5	2N	25E 9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E 8250

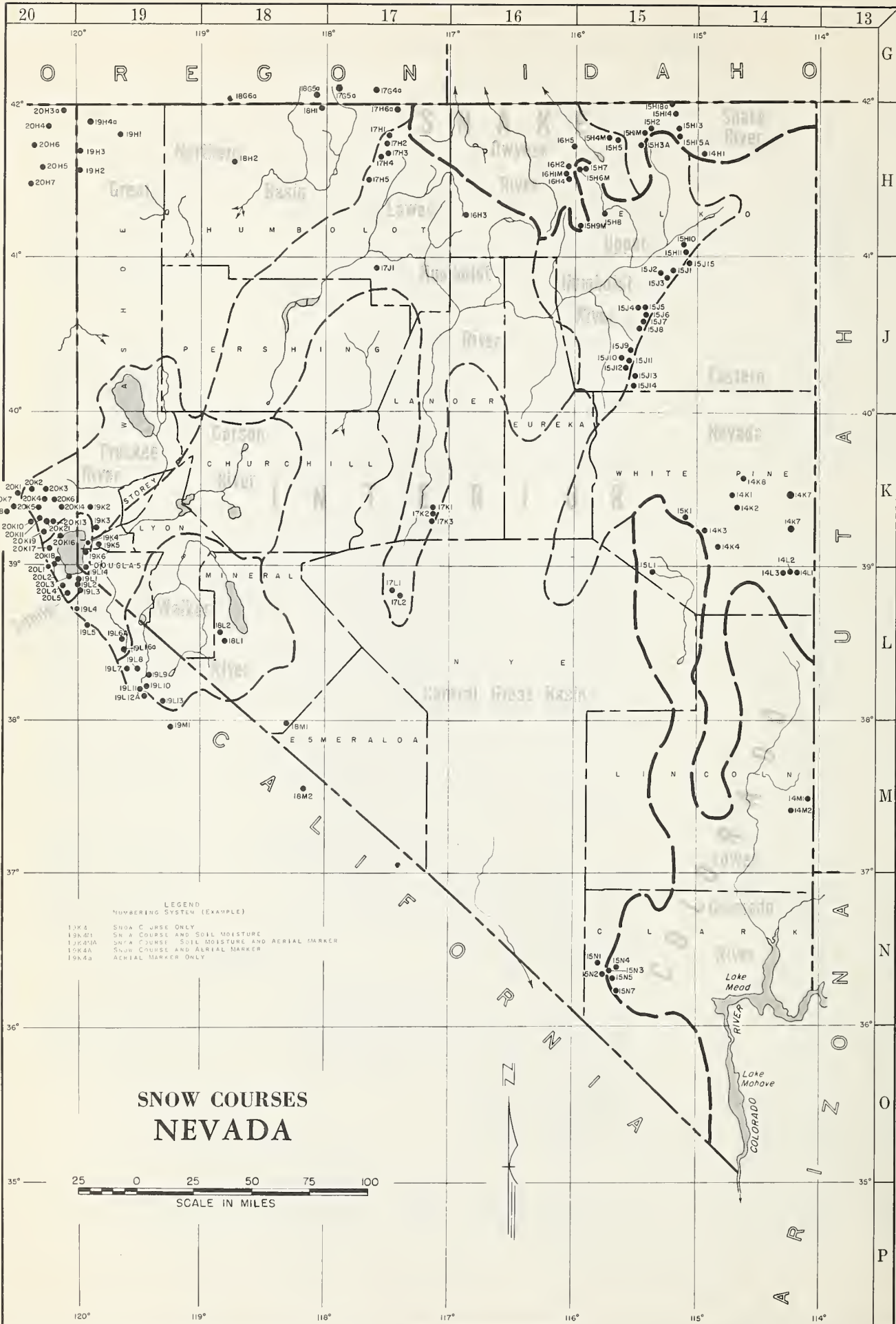
COLORADO

LOWER COLORADO RIVER

15N5	KYLE CANYON	26	19S	56E 8200
15N4	LEE CANYON #1	10	19S	56E 8300
15N3	LEE CANYON #2	9	19S	56E 9000
14M1	MATHEW CANYON	11	5S	70E 6000
14M2	PINE CANYON	11	6S	69E 6200
15N7	RAINBOW CANYON #2	6	20S	57E 8100
15L1	WHITE RIVER #1	31	13N	59E 7400

LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4A	SNOW COURSE AND AERIAL MARKER
19K4a	AERIAL MARKER ONLY
* LOCATED ON ADJACENT WATERSHED	



WATER SUPPLY OUTLOOK
FOR NEVADA

February 1, 1962

* * * * *

* Water users in western and northern Nevada face another year of *
* extremely short irrigation water supplies. February 1 reservoir *
* storage is less than 5 percent of average. February 1 mountain *
* snowpack is 50 percent of average in the Truckee-Tahoe basins, *
* 60 percent of average in the Carson and Walker basins and 90 per- *
* cent of average in the Humboldt basin. April-July streamflow *
* will be very similar to that of the past three drought years on *
* Sierra streams. If normal snowfall conditions prevail during *
* the next two months, Humboldt basin streams will have better *
* irrigation season streamflow than last year. However, most *
* Humboldt streams will still flow less than normal amounts. *

* * * * *

In the Sierra, snow surveys in the Lake Tahoe and Truckee River basins show the snowpack to be 50 percent of the 1943-57 February 1 average. Assuming normal snowfall during the next two months and in view of Lake Tahoe's low elevation (6222.68), it is definite that the Floriston rate of 500 c.f.s. cannot be maintained. Even with normal precipitation, Lake Tahoe's elevation will not reach 6224.0. This amount of storage will not permit maintenance of required flows in the Truckee River.

Snow cover is slightly better than the last two years in the Carson and Walker River watersheds at 60 percent of the February 1 average. Currently, Lahontan Reservoir storage is 35,000 acre feet. This is 41,000 acre feet less than February 1, 1961. On February 1, Topaz and Bridgeport Reservoirs held 10,000 and 12,000 acre feet respectively. Combined, they hold 33 percent of average.

The West Walker near Coleville is forecast to flow 85,000 acre feet during April-July. This is 57 percent of the 1943-57 average. Last year the West Walker flowed 72,000 acre feet during April-July. Other streams in the Carson and Walker River watersheds are not forecast until March 1. However, preliminary analyses indicate that they should flow slightly better than last April-July.

In northern Nevada the Humboldt basin has a February 1 mountain snowpack which is 90 percent of average. Ruby Mountain snow cover is slightly above normal while the Independence Mountain snowpack is 80 percent of the February 1 average. Rye Patch Reservoir currently holds only 6,000 acre feet. Due to lack of low elevation snow and the cumulative effect of the past several years on ground water, base flow and soil moisture conditions the Humboldt at Palisade is forecast to flow 100,000 acre feet during April-July, which is 44 percent of average. Last year the Humboldt flowed 51,000 acre feet during April-July.

(over)

On the Owyhee watershed February 1 snow cover is 70 percent of average. Assuming normal snowfall during the next two months and normal spring precipitation, the Owyhee River is forecast to flow as follows:

Owyhee near Gold Creek	12,000 acre feet	44% (1943-57 ave.)
Owyhee near Cwyhee	45,000 acre feet	52% (1943-57 ave.)

Wild Horse Reservoir held 8,000 acre feet on September 1, 1961. Current February 1 storage is not available due to reservoir ice conditions.

Southern Nevada February 1 snowpack based on a limited number of snow survey measurements, is much better than the last two years and is well above average.

Western Nevada ranchers should carefully plan this coming summer's operation in an effort to make maximum use of the anticipated limited water supply. The same applies to northern Nevada ranchers; although this summer's water supply may not be as short in some of the headwater portions of the Humboldt basin as it was in 1960 and 1961.

NEVADA

STATUS OF RESERVOIR STORAGE

FEBRUARY 1, 1962

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1962	1961	1960	FEBRUARY 1 15-YR. AVE. 1943-57
Owyhee	Wild Horse	33	a	13	9	12
Lower Humboldt	Rye Patch	179	6	8	22	95
Colorado	Mohave	1,810	1,680	1,696	1,780	1,427*
Colorado	Mead	27,217	17,901	18,978	19,283	17,464
Tahoe	Tahoe	732	0	92	242	461
Truckee	Boca	41	1	10	10	10
Carson	Lahontan	286	35	76	90	198
West Walker	Topaz	59	10	10	11	36
East Walker	Bridgeport	42	12	9	14	30

* 1950-57

a Gage reading impossible due to ice on reservoir

TOTAL RESERVOIR STORAGE

Developed from Rye Patch, Tahoe, Boca, Lahontan, Topaz and
Bridgeport Reservoirs in 1000's Acre Feet

MONTH	1958-59	1959-60	1960-61	1961-62	AVERAGE 1943-57
October 1	964	480	248	57	720
January 1	869	358	193	49	775
February 1	926	389	205	64	830
March 1	1,016	484	240		864
April 1	1,042	579	268		906
May 1	1,011	608	281		945
TOTAL USABLE CAPACITY	1,339				

Name		Address		City	
1	Mr. J. H. Smith	123 Main St.	Springfield	Mass.	01103
2	Mr. W. B. Jones	456 Oak St.	Springfield	Mass.	01103
3	Mr. C. D. Brown	789 Elm St.	Springfield	Mass.	01103
4	Mr. F. G. White	101 Pine St.	Springfield	Mass.	01103
5	Mr. H. I. Black	202 Cedar St.	Springfield	Mass.	01103
6	Mr. K. L. Green	303 Birch St.	Springfield	Mass.	01103
7	Mr. M. N. Hall	404 Spruce St.	Springfield	Mass.	01103
8	Mr. P. Q. Adams	505 Willow St.	Springfield	Mass.	01103
9	Mr. R. S. Baker	606 Ash St.	Springfield	Mass.	01103
10	Mr. T. U. Clark	707 Hickory St.	Springfield	Mass.	01103

10/1/50

J. H. Smith

10/1/50

10/1/50

Name		Address		City	
1	Mr. J. H. Smith	123 Main St.	Springfield	Mass.	01103
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7	Mr. M. N. Hall	404 Spruce St.	Springfield	Mass.	01103
8	Mr. P. Q. Adams	505 Willow St.	Springfield	Mass.	01103
9	Mr. R. S. Baker	606 Ash St.	Springfield	Mass.	01103
10	Mr. T. U. Clark	707 Hickory St.	Springfield	Mass.	01103

10/1/50

SNOW WATER ACCUMULATION in NEVADA by BASIN

February 1, 1962



NEVADA SNOW SURVEYS FEBRUARY 1, 1962

			SNOW COVER MEASUREMENTS					
			1962		: P a s t R e c o r d			
DRAINAGE BASIN		Elev.	Date :	Snow :	Water :	Water Content	(In.)	
AND		(Ft.)	of :	Depth:	Content:		1943-57	
SNOW COURSE	No.		Survey:	(In.):	(In.):	: 1961	1960	Ave.
<u>SNAKE RIVER</u>								
Bear Creek	15H1MA	8145	1/24	51	14.3e	6.6e	7.5	12.1*
+Big Bend	15H4M	6700	1/29	18	5.0	3.0	3.8	6.9*
Goat Creek	15H13	8800	1/29	27	7.8e	6.6	6.8	10.6*
+Gold Creek	15H5	6600	1/29	12	3.4	1.6	3.1	4.1*
Hummingbird Springs	15H15A	8870	1/29	37	10.9e	5.0e	6.9	12.7*
Pole Creek R. S.	15H14	8330	1/30	40	11.8	7.2	6.6	10.7*
Red Point	15H18a	7940	1/29	18	5.3e	1.7e	--	--
76-Creek	15H3A	7100	1/29	22	6.2e	4.8	4.0	8.3*
<u>OWYHEE RIVER</u>								
+Bear Creek	15H1MA	8145	1/24	51	14.3e	6.6e	7.5	12.1*
Big Bend	15H4M	6700	1/29	18	5.0	3.0	3.8	6.9*
+Fry Canyon	15H7	6700	1/29	13	3.2	3.2	4.2	6.5*
Gold Creek	15H5	6600	1/29	12	3.4	1.6	3.1	4.1*
+Granite Peak	17H4	6700	1/31	20	5.6	3.6	5.8	8.1*
Jack Creek, Lower	16H1M	6800	1/30	10	2.9	1.0	3.1	2.8*
Jack Creek, Upper	16H2	7250	1/30	27	8.1	3.0	5.8	6.5*
Laurel Draw	16H5	6700	1/29	17	4.0	3.0	4.8	--
+Martin Creek	17H3	6700	1/31	21	6.0	4.2	4.9	5.7*
+Rodeo Flat	15H6M	6800	1/29	11	3.0	2.7	4.0	6.4*
+76-Creek	15H3A	7100	1/29	22	6.2e	4.8	4.0	8.3*
Taylor Canyon	15H9M	6200	1/29	10	2.5	1.0	3.9	4.1*
+Tremewan Ranch	15H8	5700	1/29	6	0.9	T	1.8	1.9*
<u>UPPER HUMBOLDT RIVER</u>								
+Bear Creek	15H1MA	8145	1/24	51	14.3e	6.6e	7.5	12.1*
+Big Bend	15H4M	6700	1/29	18	5.0	3.0	3.8	6.9*
Fry Canyon	15H7	6700	1/29	13	3.2	3.2	4.2	6.5*
+Gold Creek	15H5	6600	1/29	12	3.4	1.6	3.1	4.1*
+Jack Creek, Lower	16H1M	6800	1/30	10	2.9	1.0	3.1	2.8*
+Jack Creek, Upper	16H2	7250	1/30	27	8.1	3.0	5.8	6.5*
Lamoille 1/1	15J4	7100	1/31	28	7.5	4.4	6.2	6.6*
Lamoille 1/2	15J5	7200	1/31	25	7.2	3.4	6.2	6.9*
Lamoille 1/3	15J6	7700	1/31	30	8.7	4.6	6.7	8.9*
Lamoille 1/4	15J7	8000	1/31	42	13.0	7.4	7.0	12.9*
Lamoille 1/5	15J8	8700	1/31	58	19.6	11.1	9.2	19.2*
Rodeo Flat	15H6M	6800	1/29	11	3.0	2.7	4.0	6.4*
+76-Creek	15H3A	7100	1/29	22	6.2e	4.8	4.0	8.3*
+Taylor Canyon	15H9M	6200	1/29	10	2.5	1.0	3.9	4.1*
Tremewan Ranch	15H8	5700	1/29	6	0.9	T	1.8	1.9*

+ Located on adjacent drainage.

e Aerial snow depth gage reading; water content estimated.

* 1943-57 adjusted average.

NEVADA SNOW SURVEYS FEBRUARY 1, 1962

DRAINAGE BASIN AND SNOW COURSE		No.	Elev. (Ft.)	SNOW COVER MEASUREMENTS					
				1962			: P a s t R e c o r d		
				Date :	Snow :	Water :	Water Content (In.)		
				of :	Depth :	Content :	1943-57		
				Survey:	(In.):	(In.):	1961	1960	Ave.
<u>LOWER HUMBOLDT RIVER</u>									
Granite Peak		17H4	7800	1/31	20	5.6	3.6	5.8	8.1*
Martin Creek		17H3	6700	1/31	21	6.0	4.2	4.9	5.7*
Lower Corral		17L2	7500	2/1	9	2.5	0.0	--	--
Upper Corral		17L1	8500	2/1	18	4.3	1.2	--	--
<u>QUINN RIVER</u>									
Denio Creek		18G6a	6000	1/25	2	0.8e	0.0e	1.4e	--
Louse Canyon		17G4a	6440	1/26	3	0.8e	0.6e	3.0e	--
Oregon Canyon		17G5a	7240	1/26	14	3.2e	2.4e	4.4e	--
Quinn Ridge		17H6a	6300	1/26	3	0.3e	0.0e	3.7e	--
Trout Creek		18G3a	7800	1/26	12	3.4e	3.6e	2.8e	--
<u>LOWER COLORADO RIVER</u>									
Mathew Canyon		14M1	6000	1/26	32	9.1	1.4	4.2	2.6*
Pine Canyon		14M2	6200	1/27	30	10.3	1.6	4.2	2.9*
<u>TAHOE</u>									
Daggetts Pass		19L14	7350	1/30	12	3.8	4.4	3.5	10.1*
Echo Summit		20L5	7500	1/31	47	15.9b	10.6	11.4	26.6
Freel Bench		19L2	7300	1/31	16	5.2	4.5	4.6	10.0*
Glenbrook #2		19K6	6900	1/30	16	4.2	4.8	4.4	9.1*
Hagans Meadow		19L3	8000	1/31	22	6.8	6.7	6.0	12.2*
Marlette Lake		19K4	8000	1/30	23	6.9	8.8	6.2	14.1*
Richardsons #2		20L3	6500	1/30	30	7.6	7.1	7.4	13.3*
+Squaw Valley #2		20K19	7500	1/31	59	19.9	15.2	26.6	--
Tahoe City		20K16	6250	2/1	13	3.8	0.0	6.3	9.6*
Upper Truckee		19L1	6400	1/31	15	5.0	3.1	3.8	9.5*
Ward Creek		20K17	7000	2/1	49	17.8	18.5	17.9	26.9*

+ Located on adjacent drainage.

b Water content partly estimated.

e Aerial snow depth gage reading; water content estimated.

* 1943-57 adjusted average.

NEVADA SNOW SURVEYS FEBRUARY 1, 1962

DRAINAGE BASIN AND SNOW COURSE			SNOW COVER MEASUREMENTS						
			1962			P a s t R e c o r d			
			Date :	Snow :	Water :	Water Content (In.)			
			of :	Depth :	Content :	1943-57			
No.	Elev. (Ft.)	Survey:	(In.):	(In.):	(In.):	1961	1960	Ave.	
<u>TRUCKEE RIVER</u>									
Boca #2	20K14	5900	2/2	11	2.6	T	4.3	6.5*	
Donner Park #2	20K21	6000	2/1	33	9.1	4.9	9.4	--	
+Donner Summit	20K10	6900	1/29	43	15.1	13.3	21.0	25.7	
+Fordyce Lake	20K7	6500	1/30	53	19.5	13.2	18.0	25.3*	
+Furnace Flat	20K8	6600	1/30	60	19.5	17.0	23.9	28.8*	
Sage Hen Creek	20K6	6500	2/2	26	8.0	6.4b	9.9	13.4*	
Squaw Valley #2	20K19	7500	1/31	59	19.9	15.2	26.6	--	
Tahoe City	20K16	6250	2/1	13	3.8	0.0	6.3	9.6*	
Truckee #2	20K13	6400	2/2	23	7.0	5.4	9.1	12.9*	
+Ward Creek	20K17	7000	2/1	49	17.8	18.5	17.9	26.9*	
<u>CARSON RIVER</u>									
Carson Pass (Upper)	19L4	8600	1/26	45	13.6	7.1	9.4	22.4	
Poison Flat	19L6A	7900	2/5	20	5.8e	7.2e	--	--	
Upper Fish Valley	19L16a	8050	2/5	20	5.8e	7.2e	--	--	
<u>WALKER RIVER</u>									
Center Mountain	19L12A	9400	2/5	46	13.3e	--	--	--	
Mt. Grant	18L2	9000	1/30	14	2.4	--	--	--	
Sonora Pass	19L7	8800	1/29	36	10.4	9.5	5.9	14.5*	
Tioga Pass	19M1	9900	1/27	38	10.9	9.2	6.3	18.6*	
Virginia Lakes	19L13	9500	1/29	31	8.7	8.6	4.2	11.8*	
<u>WHITE MOUNTAINS</u>									
Campito Mtn.	18M2	10200	2/1	9	2.5	4.3	T	--	
Montgomery Pass	18M1	7100	1/29	7	1.4	T	1.2	--	
Pinchot Creek	18M3a	9300	2/5	T	T	New course			
Piute Pass	18M4a	11700	2/5	T	T	New course			
<u>NORTHERN GREAT BASIN (Surprise Valley)</u>									
Barber Creek	20H2	6500	1/31	28	7.0	5.1	4.1	--	
Cedar Pass	20H6	7100	1/31	28	6.0	7.2	8.4	11.5*	
Dismal Swamp	20H3a	7000	1/24	33	9.9e	8.1e	5.5e	--	
49-Mountain	19H3	6000	1/30	12	3.1	1.2	4.0	--	
Hays Canyon	19H2	6400	1/31	8	2.5	T	2.7	--	
Little Bally Mtn.	19H4a	6000	1/25	12	3.6e	T e	--	--	
Reservation Creek	20H1	5900	1/30	31	8.3	4.6	5.3	--	

+ Located on adjacent drainage.

b Timber cover destroyed by Donner Ridge fire.

e Aerial snow depth gage reading; water content estimated.

* 1943-57 adjusted average.

1. The first part of the document is a list of names and addresses, which are arranged in a columnar format. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list appears to be a directory or a roster of some kind.

2. The second part of the document is a series of short, handwritten notes or entries. These are arranged in a columnar format, similar to the first part. The notes are written in a cursive script and appear to be related to the names and addresses listed above.

3. The third part of the document is a series of short, handwritten notes or entries. These are arranged in a columnar format, similar to the first part. The notes are written in a cursive script and appear to be related to the names and addresses listed above.

4. The fourth part of the document is a series of short, handwritten notes or entries. These are arranged in a columnar format, similar to the first part. The notes are written in a cursive script and appear to be related to the names and addresses listed above.

5. The fifth part of the document is a series of short, handwritten notes or entries. These are arranged in a columnar format, similar to the first part. The notes are written in a cursive script and appear to be related to the names and addresses listed above.

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Soil Conservation Service
- Forest Service
- Geological Survey
- Bureau of Reclamation
- Fish and Wildlife Service
- Army
- Navy
- Weather Bureau
- Agricultural Research Service

STATE

- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester-Firewarden
- Nevada Cooperative Snow Surveys
- Colorado River Commission of Nevada
- California Cooperative Snow Surveys
- California Department of Water Resources
- Oregon Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- University of Nevada

PRIVATE

- Walker River Irrigation District
- Amalgamated Sugar Company
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Virginia City Water Company
- Kennecott Copper Corporation
- Squaw Valley Development Company
- Pacific Gas & Electric Company
- Nevada Irrigation District
- Sierra Pacific Power Company
- Washoe County Water Conservation District
- Truckee-Carson Irrigation District
- Pershing County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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with the Snow Survey"*